

Amendment  
Serial No. 10/506,980  
Attorney Docket No. 062221

**Amend the paragraph [0045] beginning on page 7, line 14 as follows:**

[0054] By offset it is ~~[[mean]]~~ meant that the constant which corresponds to the difference between the pressure measured by one sensor and the absolute value of pressure.

**Amend the paragraph [0055] beginning on page 7, line 17 as follows:**

[0055] The invention takes advantages of a well ~~[[know]]~~ known state of the apparatus when no patient is connected to the apparatus, and no pressure is generated by the blower. During this state The PM and PB values have the same value ~~[[than]]~~ as the ambient pressure. The control unit 2 comprises offset compensation means for compensating the possible difference of gauging between the two pressure sensors 6 and 8.

**Amend the paragraph [0060] beginning on page <sup>8 10</sup> 7, line <sup>24</sup> 24 as follows:**

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[0060] Preferentially the apparatus comprises an analog amplifier 36 connected to said analog ~~subtractor~~ subtractors 34 and 38 in order to amplify the signal corresponding to said D result and to send it to the microprocessor 30, thus enabling the microprocessor to have an accurate adjustment of said value C until the result D reaches the value zero.

**Amend the paragraph [0061] beginning on page 8, line 16 as follows:**

[0061] The apparatus can also comprise analog to digital converters 42, 44 and 40 connected between the microprocessor ~~[[3]]~~ 30 and the said first pressure sensor, between the

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microprocessor and the said second pressure sensor, and between the microprocessor and the said analog amplifier, so that the microprocessor is provided with only digital data.

Amend the paragraph [0062] beginning on page <sup>8</sup>7, line 22 as follows:

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[0062] With a non standard calibration tube, the process for calibrating a tube used in the apparatus to assist patient's respiration, ~~comprising~~ comprises:

Amend the paragraph [0063] beginning on page <sup>8</sup>7, line 25 as follows:

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[0063] connecting a ~~first tube's 20~~ first extremity 13 of said tube 20 to the blower of an apparatus ~~according to any of claim 1 to 5,~~

Amend the paragraph [0066] beginning on page <sup>8</sup>7, line 33 as follows:

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[0066] switching the blower on, and instructing said control unit 2 to ~~measured~~ measure the pressures on both said first and second pressure sensors,

Amend the paragraph [0068] beginning on page <sup>9</sup>8, line 5 as follows:

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[0068] The apparatus can also comprise a Frequency Shift Keying (FSK) modulator which transforms the binary data ~~[[send]]~~ sent by the apparatus sensors or elements in a modulation of the frequency of the tension applied on a voltage controlled current source, connected to the external power supply, so that the voltage controlled current source transmit the modulation corresponding to the data, a FSK demodulator converting the voltage frequency